

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1310877

Luminaire Tested: LDSQA3D24R609035D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310877
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D24R609035D010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

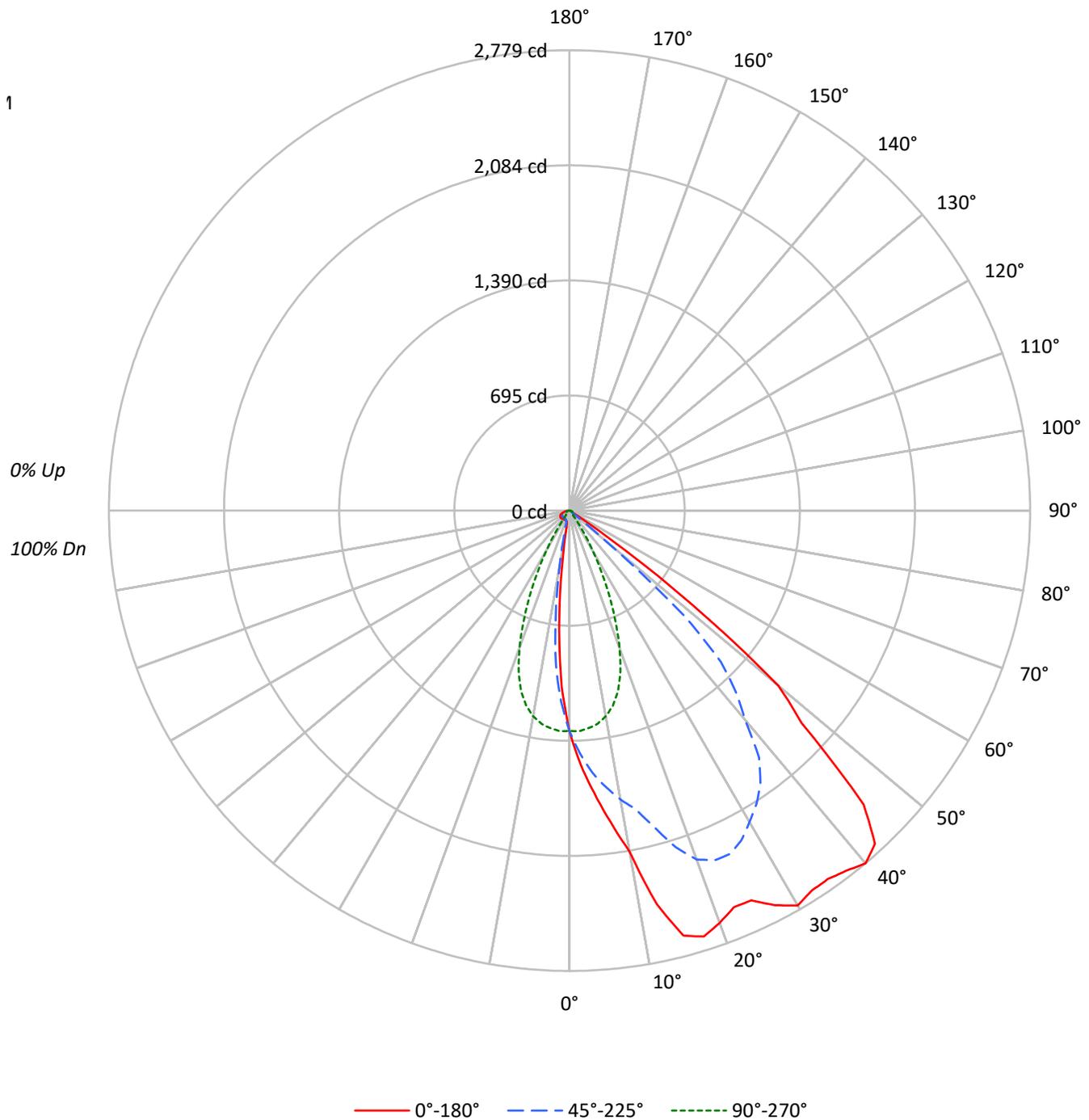
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2161.0 lumens
Efficiency: N/A
Efficacy: 75.0 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1310877
CATALOG NUMBER: LDSQA3D24R609035D010 3LSQCA30R 1MW

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10		0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	95	90	
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	88	81	
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	81	72	
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	74	65	
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	58	
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	63	52	
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	58	47	
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	54	43	
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	39	
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	47	36	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	229091	229091	229091	229091	229091
5°	295937	274776	227857	162248	123800
10°	365725	309694	220506	61365	18205
15°	473631	352495	201174	13461	11999
20°	485350	410574	161906	11216	11583
25°	493157	434610	108562	10851	11630
30°	547338	431697	56001	10957	12171
35°	570941	422088	15432	11585	13287
40°	624732	370167	7329	12388	14681
45°	611213	314557	7453	13420	16392
50°	440586	77620	8199	14763	18032
55°	84554	4894	8587	15914	20208
60°	4202	4926	8439	16878	21769
65°	4157	4972	8313	17442	23269
70°	4129	5136	8208	17473	23616
75°	4059	5456	8118	17634	24421
80°	1984	6050	8133	18249	24299
85°	3952	3952	8102	16203	24108

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 611213 cd/sqm



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CATALOG NUMBER: LDSQA3D24R609035D010 3LSQCA30R 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.7	5.4
10°-20°	319.4	14.8
20°-30°	491.6	22.7
30°-40°	576.8	26.7
40°-50°	462.5	21.4
50°-60°	143.6	6.6
60°-70°	27.1	1.3
70°-80°	18.1	0.8
80°-90°	6.3	0.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	926.6	42.9
0°-40°	1503.4	69.6
0°-60°	2109.5	97.6
0°-90°	2161.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2161.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1330	1330	1330	1330	1330	
5°	1712	1589	1318	938	716	175
15°	2656	1977	1128	76	67	728
25°	2595	2287	571	57	61	1225
35°	2716	2008	73	55	63	1719
45°	2510	1292	31	55	67	1796
55°	282	16	29	53	67	446
65°	10	12	20	43	57	10
75°	6	8	12	26	37	6
85°	2	2	4	8	12	1
90°	0	0	0	0	0	



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CATALOG NUMBER: LDSQA3D24R609035D010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1330.2	1330.2	1330.2	1330.2	1330.2	1330.2	1330.2	1330.2	1330.2	1330.2	1330.2
2.5°	1534.3	1517.9	1517.9	1511.8	1505.7	1507.7	1491.4	1497.5	1481.2	1469.0	1458.8
5°	1711.8	1691.4	1689.3	1679.1	1668.9	1660.8	1640.4	1628.1	1603.6	1589.4	1558.8
7.5°	1895.4	1879.1	1868.9	1856.6	1838.3	1817.9	1783.2	1760.7	1722.0	1683.2	1644.4
10°	2091.3	2077.0	2054.5	2040.3	1989.2	1956.6	1909.7	1879.1	1821.9	1770.9	1711.8
12.5°	2434.0	2425.9	2383.0	2354.5	2281.0	2215.7	2113.7	2032.1	1930.1	1846.4	1766.9
15°	2656.4	2646.2	2623.8	2597.2	2550.3	2476.9	2385.1	2270.8	2128.0	1977.0	1842.3
17.5°	2695.2	2697.2	2682.9	2676.8	2646.2	2599.3	2525.8	2440.1	2297.3	2130.0	1946.4
20°	2648.2	2664.6	2660.5	2672.7	2678.9	2660.5	2611.5	2527.9	2403.4	2240.2	2034.1
22.5°	2591.1	2605.4	2601.3	2623.8	2658.4	2676.8	2660.5	2593.2	2466.7	2285.1	2083.1
25°	2595.2	2605.4	2574.8	2589.1	2634.0	2678.9	2680.9	2621.7	2485.0	2287.1	2079.0
27.5°	2685.0	2654.4	2585.0	2578.9	2634.0	2691.1	2695.2	2621.7	2458.5	2244.3	2038.2
30°	2752.3	2729.9	2652.3	2642.1	2695.2	2733.9	2713.5	2599.3	2395.3	2170.8	1979.0
32.5°	2719.7	2723.7	2691.1	2723.7	2793.1	2809.4	2723.7	2546.2	2307.5	2099.4	1909.7
35°	2715.6	2731.9	2750.3	2801.3	2848.2	2809.4	2672.7	2446.3	2213.7	2007.6	1801.5
37.5°	2740.1	2766.6	2793.1	2838.0	2838.0	2738.0	2538.1	2319.8	2101.5	1877.0	1577.1
40°	2778.8	2795.1	2803.3	2799.2	2744.1	2597.2	2385.1	2166.7	1958.6	1646.5	1428.2
42.5°	2727.8	2725.8	2717.6	2682.9	2580.9	2389.1	2191.2	2013.7	1685.2	1485.3	1236.4
45°	2509.5	2509.5	2487.1	2432.0	2338.1	2179.0	2003.5	1744.4	1536.3	1291.5	918.1
47.5°	1899.5	1885.2	1909.7	1942.3	1942.3	1928.0	1768.9	1544.5	1332.3	932.4	293.8
50°	1644.4	1622.0	1591.4	1597.5	1593.4	1609.8	1507.7	1338.4	985.4	289.7	20.4
52.5°	930.4	971.2	1071.1	1211.9	1275.2	1297.6	1234.4	1018.1	332.6	18.4	16.3
55°	281.6	289.7	328.5	404.0	548.8	701.8	712.0	330.5	22.4	16.3	16.3
57.5°	12.2	12.2	16.3	24.5	57.1	85.7	91.8	20.4	14.3	16.3	16.3
60°	12.2	12.2	12.2	12.2	12.2	12.2	14.3	14.3	14.3	14.3	16.3
62.5°	10.2	10.2	12.2	12.2	12.2	12.2	12.2	12.2	14.3	14.3	14.3
65°	10.2	10.2	10.2	10.2	10.2	10.2	12.2	12.2	12.2	12.2	14.3
67.5°	8.2	8.2	8.2	10.2	10.2	10.2	10.2	10.2	12.2	12.2	12.2
70°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	10.2	10.2	10.2	10.2
72.5°	6.1	6.1	6.1	6.1	6.1	8.2	8.2	8.2	8.2	8.2	10.2
75°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	8.2	8.2	8.2	8.2
77.5°	4.1	4.1	4.1	4.1	4.1	6.1	6.1	6.1	6.1	6.1	6.1
80°	2.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.1	6.1
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	4.1	4.1	4.1	4.1	4.1
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.1
87.5°	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1310877

CATALOG NUMBER: LDSQA3D24R609035D010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1330.2	1330.2	1330.2	1330.2	1330.2	1330.2	1330.2	1330.2
2.5°	1444.5	1428.2	1409.8	1332.3	1256.8	1154.8	1085.4	1065.0
5°	1532.2	1505.7	1464.9	1318.0	1140.5	938.5	775.3	716.1
7.5°	1605.7	1564.9	1507.7	1297.6	1001.8	636.6	410.1	346.8
10°	1658.7	1607.7	1534.3	1260.9	818.1	350.9	138.7	104.1
12.5°	1703.6	1636.3	1548.6	1205.8	595.8	142.8	71.4	71.4
15°	1734.2	1652.6	1554.7	1128.3	385.6	75.5	67.3	67.3
17.5°	1777.1	1671.0	1554.7	1020.1	210.1	65.3	65.3	65.3
20°	1846.4	1689.3	1532.2	883.4	116.3	61.2	63.2	63.2
22.5°	1883.2	1715.9	1503.7	724.3	73.4	59.2	61.2	61.2
25°	1891.3	1711.8	1442.5	571.3	59.2	57.1	59.2	61.2
27.5°	1862.8	1683.2	1360.8	416.2	53.0	55.1	59.2	61.2
30°	1811.7	1613.8	1230.3	281.6	49.0	55.1	59.2	61.2
32.5°	1715.9	1446.5	1077.3	169.3	46.9	55.1	59.2	63.2
35°	1501.6	1271.1	901.8	73.4	44.9	55.1	61.2	63.2
37.5°	1346.6	1095.6	697.8	36.7	44.9	55.1	61.2	65.3
40°	1175.2	881.4	322.4	32.6	44.9	55.1	61.2	65.3
42.5°	895.7	408.1	38.8	32.6	42.8	55.1	63.2	65.3
45°	326.4	42.8	20.4	30.6	42.8	55.1	63.2	67.3
47.5°	24.5	16.3	18.4	30.6	42.8	55.1	63.2	67.3
50°	16.3	16.3	18.4	30.6	42.8	55.1	63.2	67.3
52.5°	16.3	18.4	18.4	28.6	40.8	55.1	63.2	67.3
55°	16.3	18.4	18.4	28.6	40.8	53.0	63.2	67.3
57.5°	16.3	16.3	18.4	26.5	38.8	51.0	63.2	65.3
60°	16.3	16.3	18.4	24.5	36.7	49.0	59.2	63.2
62.5°	16.3	16.3	16.3	22.4	34.7	46.9	57.1	61.2
65°	14.3	14.3	16.3	20.4	30.6	42.8	53.0	57.1
67.5°	12.2	14.3	14.3	18.4	28.6	38.8	49.0	53.0
70°	12.2	12.2	12.2	16.3	24.5	34.7	44.9	46.9
72.5°	10.2	10.2	12.2	14.3	22.4	30.6	40.8	42.8
75°	8.2	10.2	10.2	12.2	18.4	26.5	34.7	36.7
77.5°	8.2	8.2	8.2	10.2	16.3	22.4	28.6	30.6
80°	6.1	6.1	6.1	8.2	12.2	18.4	22.4	24.5
82.5°	4.1	6.1	6.1	6.1	10.2	12.2	16.3	18.4
85°	4.1	4.1	4.1	4.1	6.1	8.2	10.2	12.2
87.5°	2.0	2.0	4.1	4.1	4.1	4.1	4.1	6.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)